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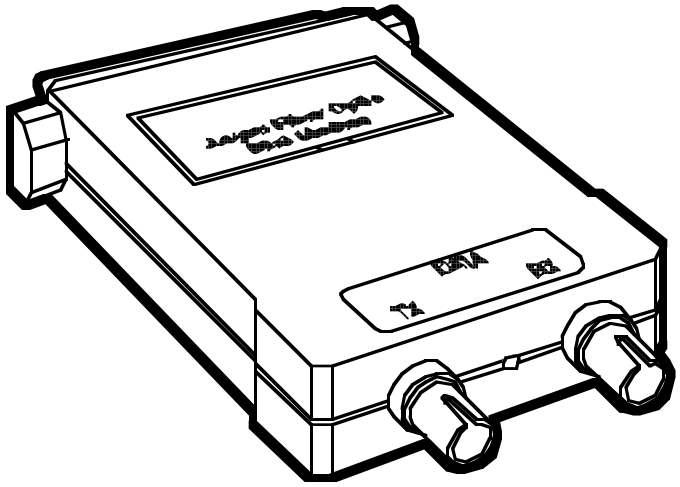
The World's Source for Connectivity℠

Async Fiber Optic Mini Modem



Complete async modem functionality in an ultra-mini package that requires no external power.

Key Features

- *Supports asynchronous transmission up to 19.2 Kbps.*
- *Drives data up to 2 miles (3 km) over multimode fiber.*
- *Operates in full- or half-duplex mode.*
- *Configurable for continuous or controlled carrier.*
- *Includes a handy DCE/DTE switch.*
- *Needs no external power.*

When you need to connect full- or half-duplex async computers and terminals, choose the Async Fiber Optic Mini Modem. A pair of these modems can drive data over multimode fiberoptic cable up to 2 miles (more than 3 km) at data rates up to 19.2 Kbps.

Special circuitry allows the modem to operate without external power, by deriving ultra-low power from the DTE data and control signals on the interface.

Two models are available:

- Async Fiber Optic Mini Modem with (2) fiberoptic ST connectors and (1) DB25 female connector (part number ME605A-FST)
- Async Fiber Optic Mini Modem with (2) fiberoptic ST connectors and (1) DB25 male connector (part number ME605A-MST)

And you can configure the modem for continuous or controlled carrier to suit your application.

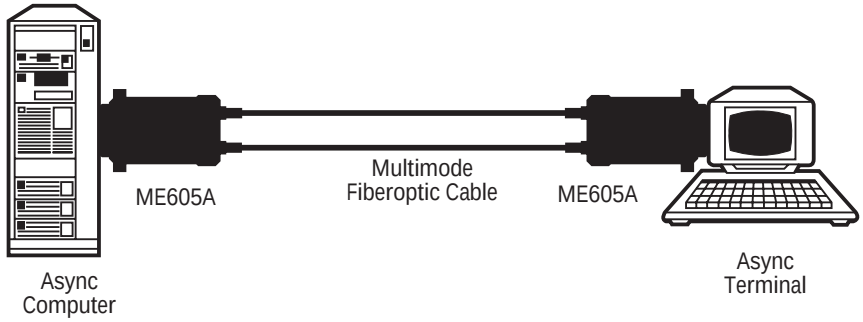
Setting the modem for DCE or DTE operation is a breeze, too. Simply move the handy DCE/DTE switch to the desired position.

For proper operation, remember that modems must be used in pairs.

Typical Application

Connect an async computer to an async terminal via a pair of Async Fiber Optic Mini Modems.

Micro-mini modem connects an async computer to an async terminal without external power.



Technically Speaking

Switch-selectable DTE/DCE

The Async Fiber Optic Mini Modem features a switch-selectable DTE / DCE option. This allows operation as DTE, for connection to another DCE such as a multiplexor port, eliminating the need for a cross cable.

Continuous or switched operation

The carrier can be strapped for either continuous operation or switched operation, controlled by the RTS signal, for transfer of a control signal end-to-end.

Specifications

Speed — Up to 19.2 Kbps

Distance — Up to 2 miles (3 km) over multimode fiberoptic cable

Temperature — 32 to 122° F (0 to 50° C)

Humidity — Up to 90%, noncondensing

Pulse Width Distortion — Less than 25%

Transmission Line — Duplex optical cable

Transmission Mode — Asynchronous, full- or half-duplex

Transmission Controls — Carrier constantly on or controlled by RTS

Optical Output Levels — -28 dBm into 100 / 140 fiber; -32 dBm into 62.5 / 125 fiber; -36 dBm into 50 / 125 fiber

Receiver Sensitivity — -45 dBm

Operating Wavelength — 850 nm

Indicators — (1) Data Transmit LED

Connectors — ME605A-FST: (1) DB25 female, (2) ST; ME605A-MST: (1) DB25 male, (2) ST

Power — Derives ultra-low power from the DTE data and control signals

Size — 0.7"H x 2.1"W x 3.1"D (1.8 x 5.3 x 7.8 cm)

Weight — 1.3 oz. (36 g)

For these and other components...
Call our expert Technical Support Staff for all your Modem needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Async Fiber Optic Mini Modem—FST	ME605A-FST
Async Fiber Optic Mini Modem—MST	ME605A-MST